RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10 089,429
Source: IFW 16
Date Processed by STIC: 2-4-05

ENTERED

IFW16

RAW SEQUENCE LISTING   DATE: 02/04/2005
PATENT APPLICATION: US/10/089,429   TIME: 16:37:36

Input Set : A:\3477-95.ST25.txt
Output Set: N:\CRF4\02042005\J089429.raw

```
 3 <110> APPLICANT: Aubin, Jane E.
 4        Bonnelye, Edith
 6 <120> TITLE OF INVENTION: ESTROGEN RELATED RECEPTOR, ERRALPHA, A REGULATOR OF BONE
 7        FORMATION
 9 <130> FILE REFERENCE: 3477-95
11 <140> CURRENT APPLICATION NUMBER: US 10/089,429
12 <141> CURRENT FILING DATE: 2002-11-29
14 <150> PRIOR APPLICATION NUMBER: CA 2,386,064
15 <151> PRIOR FILING DATE: 2000-08-30
17 <150> PRIOR APPLICATION NUMBER: CA 2,284,103
18 <151> PRIOR FILING DATE: 1999-09-30
20 <160> NUMBER OF SEQ ID NOS: 30
22 <170> SOFTWARE: PatentIn version 3.3
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 20
26 <212> TYPE: DNA
27 <213> ORGANISM: Artificial sequence
29 <220> FEATURE:
30 <223> OTHER INFORMATION: Primer
32 <400> SEQUENCE: 1
33 caggaaagtg aatgcccagg                                                20
36 <210> SEQ ID NO: 2
37 <211> LENGTH: 20
38 <212> TYPE: DNA
39 <213> ORGANISM: Artificial sequence
41 <220> FEATURE:
42 <223> OTHER INFORMATION: Primer
44 <400> SEQUENCE: 2
45 ctttgcagca aatatacatt                                                20
48 <210> SEQ ID NO: 3
49 <211> LENGTH: 23
50 <212> TYPE: DNA
51 <213> ORGANISM: Artificial sequence
53 <220> FEATURE:
54 <223> OTHER INFORMATION: Primer
56 <400> SEQUENCE: 3
57 gagctgccaa cctttggcca agt                                             23
60 <210> SEQ ID NO: 4
61 <211> LENGTH: 21
62 <212> TYPE: DNA
63 <213> ORGANISM: Artificial sequence
65 <220> FEATURE:
66 <223> OTHER INFORMATION: Primer
```

RAW SEQUENCE LISTING   DATE: 02/04/2005
PATENT APPLICATION: US/10/089,429   TIME: 16:37:36

Input Set : A:\3477-95.ST25.txt
Output Set: N:\CRF4\02042005\J089429.raw

```
68  <400> SEQUENCE: 4
69  tgaacttgat cgtggagatt c                              21
72  <210> SEQ ID NO: 5
73  <211> LENGTH: 24
74  <212> TYPE: DNA
75  <213> ORGANISM: Artificial sequence
77  <220> FEATURE:
78  <223> OTHER INFORMATION: Primer
80  <400> SEQUENCE: 5
81  aaagccaaga gaaacggtgg gcat                           24
84  <210> SEQ ID NO: 6
85  <211> LENGTH: 24
86  <212> TYPE: DNA
87  <213> ORGANISM: Artificial sequence
89  <220> FEATURE:
90  <223> OTHER INFORMATION: Primer
92  <400> SEQUENCE: 6
93  gccaatcatg tgcaccagtt cctt                           24
96  <210> SEQ ID NO: 7
97  <211> LENGTH: 20
98  <212> TYPE: DNA
99  <213> ORGANISM: Artificial sequence
101 <220> FEATURE:
102 <223> OTHER INFORMATION: Primer
104 <400> SEQUENCE: 7
105 catggctgcc cttcggcctc                                20
108 <210> SEQ ID NO: 8
109 <211> LENGTH: 21
110 <212> TYPE: DNA
111 <213> ORGANISM: Artificial sequence
113 <220> FEATURE:
114 <223> OTHER INFORMATION: Primer
116 <400> SEQUENCE: 8
117 cattctcttc gctgcgtagc c                              21
120 <210> SEQ ID NO: 9
121 <211> LENGTH: 20
122 <212> TYPE: DNA
123 <213> ORGANISM: Artificial sequence
125 <220> FEATURE:
126 <223> OTHER INFORMATION: Primer
128 <400> SEQUENCE: 9
129 aggaccctct ctctgctcac                                20
132 <210> SEQ ID NO: 10
133 <211> LENGTH: 20
134 <212> TYPE: DNA
135 <213> ORGANISM: Artificial sequence
137 <220> FEATURE:
138 <223> OTHER INFORMATION: Primer
140 <400> SEQUENCE: 10
```

RAW SEQUENCE LISTING   DATE: 02/04/2005
PATENT APPLICATION: US/10/089,429   TIME: 16:37:36

Input Set : A:\3477-95.ST25.txt
Output Set: N:\CRF4\02042005\J089429.raw

```
141 aacggtggtg ccatagatgc                                    20
144 <210> SEQ ID NO: 11
145 <211> LENGTH: 22
146 <212> TYPE: DNA
147 <213> ORGANISM: Artificial sequence
149 <220> FEATURE:
150 <223> OTHER INFORMATION: Primer
152 <400> SEQUENCE: 11
153 cgcctacttt tatcctcctc tg                                 22
156 <210> SEQ ID NO: 12
157 <211> LENGTH: 22
158 <212> TYPE: DNA
159 <213> ORGANISM: Artificial sequence
161 <220> FEATURE:
162 <223> OTHER INFORMATION: Primer
164 <400> SEQUENCE: 12
165 ctgaccctcg tagccttcat ag                                 22
168 <210> SEQ ID NO: 13
169 <211> LENGTH: 20
170 <212> TYPE: DNA
171 <213> ORGANISM: Artificial sequence
173 <220> FEATURE:
174 <223> OTHER INFORMATION: Primer
176 <400> SEQUENCE: 13
177 cccgcatcct taagggccag                                    20
180 <210> SEQ ID NO: 14
181 <211> LENGTH: 19
182 <212> TYPE: DNA
183 <213> ORGANISM: Artificial sequence
185 <220> FEATURE:
186 <223> OTHER INFORMATION: Primer
188 <400> SEQUENCE: 14
189 taggcgatgt ccttgcagc                                     19
192 <210> SEQ ID NO: 15
193 <211> LENGTH: 19
194 <212> TYPE: DNA
195 <213> ORGANISM: Artificial sequence
197 <220> FEATURE:
198 <223> OTHER INFORMATION: Primer
200 <400> SEQUENCE: 15
201 gccacttggc tgaagcctg                                     19
204 <210> SEQ ID NO: 16
205 <211> LENGTH: 20
206 <212> TYPE: DNA
207 <213> ORGANISM: Artificial sequence
209 <220> FEATURE:
210 <223> OTHER INFORMATION: Primer
212 <400> SEQUENCE: 16
213 gaaactcctg gactttgacc                                    20
```

RAW SEQUENCE LISTING   DATE: 02/04/2005
PATENT APPLICATION: US/10/089,429   TIME: 16:37:36

Input Set : **A:\3477-95.ST25.txt**
Output Set: **N:\CRF4\02042005\J089429.raw**

```
216 <210> SEQ ID NO: 17
217 <211> LENGTH: 19
218 <212> TYPE: DNA
219 <213> ORGANISM: Artificial sequence
221 <220> FEATURE:
222 <223> OTHER INFORMATION: Primer
224 <400> SEQUENCE: 17
225 cttcattcgc ctcacaaac                                    19
228 <210> SEQ ID NO: 18
229 <211> LENGTH: 20
230 <212> TYPE: DNA
231 <213> ORGANISM: Artificial sequence
233 <220> FEATURE:
234 <223> OTHER INFORMATION: Primer
236 <400> SEQUENCE: 18
237 cacgtcgctc atcttgccgg                                   20
240 <210> SEQ ID NO: 19
241 <211> LENGTH: 20
242 <212> TYPE: DNA
243 <213> ORGANISM: Artificial sequence
245 <220> FEATURE:
246 <223> OTHER INFORMATION: Primer
248 <400> SEQUENCE: 19
249 tcccgccagc agcaagacac                                   20
252 <210> SEQ ID NO: 20
253 <211> LENGTH: 20
254 <212> TYPE: DNA
255 <213> ORGANISM: Artificial sequence
257 <220> FEATURE:
258 <223> OTHER INFORMATION: Primer
260 <400> SEQUENCE: 20
261 tgagcttgtt caccagaagc                                   20
264 <210> SEQ ID NO: 21
265 <211> LENGTH: 20
266 <212> TYPE: DNA
267 <213> ORGANISM: Artificial sequence
269 <220> FEATURE:
270 <223> OTHER INFORMATION: Primer
272 <400> SEQUENCE: 21
273 atagagccgg cggagccgcg                                   20
276 <210> SEQ ID NO: 22
277 <211> LENGTH: 20
278 <212> TYPE: DNA
279 <213> ORGANISM: Artificial sequence
281 <220> FEATURE:
282 <223> OTHER INFORMATION: Primer
284 <400> SEQUENCE: 22
285 aagccccggt cgacggggtg                                   20
288 <210> SEQ ID NO: 23
```

RAW SEQUENCE LISTING   DATE: 02/04/2005
PATENT APPLICATION: US/10/089,429   TIME: 16:37:36

Input Set : A:\3477-95.ST25.txt
Output Set: N:\CRF4\02042005\J089429.raw

```
289 <211> LENGTH: 20
290 <212> TYPE: DNA
291 <213> ORGANISM: Artificial sequence
293 <220> FEATURE:
294 <223> OTHER INFORMATION: Primer
296 <400> SEQUENCE: 23
297 ccttggagca gccgccccag                                          20
300 <210> SEQ ID NO: 24
301 <211> LENGTH: 21
302 <212> TYPE: DNA
303 <213> ORGANISM: Artificial sequence
305 <220> FEATURE:
306 <223> OTHER INFORMATION: Primer
308 <400> SEQUENCE: 24
309 atgtgggcgt cccgaagtag g                                        21
312 <210> SEQ ID NO: 25
313 <211> LENGTH: 20
314 <212> TYPE: DNA
315 <213> ORGANISM: Artificial sequence
317 <220> FEATURE:
318 <223> OTHER INFORMATION: Primer
320 <400> SEQUENCE: 25
321 ggggaaacac cagaatcaag                                          20
324 <210> SEQ ID NO: 26
325 <211> LENGTH: 20
326 <212> TYPE: DNA
327 <213> ORGANISM: Artificial sequence
329 <220> FEATURE:
330 <223> OTHER INFORMATION: Primer
332 <400> SEQUENCE: 26
333 agagaagtca tccccagccc                                          20
336 <210> SEQ ID NO: 27
337 <211> LENGTH: 20
338 <212> TYPE: DNA
339 <213> ORGANISM: Artificial sequence
341 <220> FEATURE:
342 <223> OTHER INFORMATION: Primer
344 <400> SEQUENCE: 27
345 ggagagagtg ccaactccag                                          20
348 <210> SEQ ID NO: 28
349 <211> LENGTH: 20
350 <212> TYPE: DNA
351 <213> ORGANISM: Artificial sequence
353 <220> FEATURE:
354 <223> OTHER INFORMATION: Primer
356 <400> SEQUENCE: 28
357 ccaccccagg gataaaaact                                          20
360 <210> SEQ ID NO: 29
361 <211> LENGTH: 16
```

VERIFICATION SUMMARY   DATE: 02/04/2005
PATENT APPLICATION: US/10/089,429   TIME: 16:37:37

Input Set : A:\3477-95.ST25.txt
Output Set: N:\CRF4\02042005\J089429.raw